

TABLE 1. Management alternatives for 2003 West Coast non-tribal commercial groundfish fisheries. (Table 2.1-2. in the 2003 Specs EIS)

Fishery Sector by Area	Status Quo 2002 Management Measures	2003 Management Measures		2003 Management Measures for Allocation Committee-preferred OYs		2003 Management Measures for Council-preferred OYs
		Low OYs	High OYs	No depth restrictions	With depth restrictions	
Limited Entry Fixed Gear South of 40°10' N. lat.	seasonal landing limits; no retention of canary, cowcod, or yelloweye	No fishing inside 150 fm; no retention of bocaccio, canary, cowcod, or yelloweye	No fishing in depths 20-150 fm; no retention of bocaccio, canary, cowcod, or yelloweye	No fishing outside 20 fm; no retention of bocaccio, canary, cowcod, or yelloweye; nearshore OYs and allocations	No fishing in depths 20-150 fm; nearshore OYs and allocations; no retention of bocaccio, canary, cowcod, or yelloweye	No fishing in depths 20-150 fm except line gear with no more than 5 hooks (#2 or smaller) and up to 5 lbs of wt. may be used if closely attended; seasonal landing limits and depth restrictions; nearshore OYs and allocations; no retention of bocaccio, canary, cowcod, or yelloweye
Directed Open Access South of 40°10' N. lat.	seasonal landing limits; no retention of canary, cowcod, or yelloweye	No fishing inside 150 fm; no retention of bocaccio, canary, cowcod, or yelloweye	No fishing in depths 20-150 fm; no retention of bocaccio, canary, cowcod, or yelloweye	No fishing outside 20 fm; nearshore OYs and allocations; no retention of bocaccio, canary, cowcod, or yelloweye	No fishing in depths 20-150 fm; nearshore OYs and allocations; no retention of bocaccio, canary, cowcod, or yelloweye	No fishing in depths 20-150 fm except line gear with no more than 12 hooks (#2 or smaller) and up to 5 lbs of wt. may be used if closely attended; nearshore OYs and allocations; seasonal landing limits and depth restrictions; no retention of bocaccio, canary, cowcod, or yelloweye

TABLE 2. Management alternatives for 2003 West Coast recreational groundfish fisheries. (Table 2.1-3. in the 2003 Specs EIS)

Management Area	Status Quo 2002 Management Measures	2003 Management Measures			
		Low OYs	High OYs	Alloc. Cm. OYs ^{1/}	Council OYs
Recreational California S. of 36° N. lat.	Open Mar-Oct with a 10 rockfish bag limit and a 2 bocaccio, 1 canary, 1 yelloweye (2 per vessel) sublimit; 2 lingcod bag limit with a 24" min. size limit; open only inside 20 fm in Cowcod Conservation Areas during season	No fishing inside 150 fm; year round season with a 10 rockfish bag limit; no retention of bocaccio, canary, cowcod, and yelloweye; 2 lingcod bag limit with a 24" min. size limit	No fishing in depths 20-150 fm; year round season with a 10 rockfish bag limit; no retention of bocaccio, canary, cowcod, and yelloweye; 2 lingcod bag limit with a 24" min. size limit	Same as area S. of 40°10' N. lat. to 36° N. lat. under this alternative	Same as area S. of 40°10' N. lat. to 36° N. lat. under this alternative

1/ Suboptions that include and exclude depth restrictions not analyzed for the recreational fishery since only the routine inshore lines are used in management. See Section 2.1.4 in the 2003 Specs EIS for an explanation.

TABLE 3. Results of the bocaccio sustainability analysis (MacCall and He 2002b). (Table 4.2-2. in the 2003 Specs EIS)

Probability (%) of No Decline by 2102	Catch in 2003	Fishing Mortality Rate	Percent of Cases Rebuilt by 2109	Median Rebuilding Year	Risk (five percentile of abundance)			
					Spawning Output (billion eggs)	after 25 years 2027 Abundance Relative to 2002	Spawning Output (billion eggs)	after 100 years 2102 Abundance Relative to 2002
50%	79	0.094	7%	14% by 2602	73.1	10%	2.5	0%
60%	61	0.071	12%	31% by 2602	85.8	12%	5.5	1%
70%	42	0.049	21%	50% by 2367	102.6	14%	13.3	2%
80%	22	0.026	33%	50% by 2172	126.1	18%	30.7	4%
85%	11	0.012	41%	50% by 2135	145.2	20%	52.7	7%
90%	0	0.000	49%	50% by 2111	157.5	22%	86.3	12%

TABLE 4. Current rebuilding parameter/target estimates specified for overfished West Coast groundfish: shelf species. (Table 3.2-2 in the 2003 Specs EIS)

Rebuilding Parameter/Target	Shelf rockfish & lingcod				
	Cowcod ^{1/}	Bocaccio ^{2/}	Canary	Yelloweye ^{3/}	Lingcod ^{4/}
T ₀ (year declared overfished)	2000	1999	2000	2002	1999
T _{MIN} (minimum time to achieve B _{MSY} ; F = 0)	2062	2097	2057	2027	2004 N 2005 S
Mean generation time	37 years	12 years	19 years	44 years	5 years N 4 years S
T _{MAX} (maximum time to achieve B _{MSY})	2099	2109	2076	2071	2009
P _{MAX} (P to achieve B _{MSY} by T _{MAX}) ^{5/}	55%	X%	60%	92%	60%
Most recent stock assessment	Butler et al. 1999	MacCall 2002	Methot and Piner	Methot et al. 2002	Jagielo et al. 2000
Most recent rebuilding analysis	Butler and Barnes 2000	MacCall and He 2002	Methot and Piner 2002	Methot and Piner 2002	Jagielo and Hastie 2001
B ₀ (estimated unfished biomass)	3,367 mt	19,849 B eggs in 2002	31,550 mt	3,875 mt	22,882 mt N 20,971 mt S
B _{CURRENT} (current estimated biomass)	238 mt in 1998	720 B eggs in 2002	2,524 mt in 2002	934 mt in 2002	3,527 mt N 3,220 mt S in 2000
B _{CURRENT} % Unfished Biomass	7% in 1998	3.6% in 2002	8% in 2002	24% in 2002	17% N 15% S in 2000
MSST (minimum stock size threshold = 25% of B ₀)	842 mt	4,962 B eggs	7,888 mt	969 mt	5,720 mt N 5,243 mt S
B _{MSY} (rebuilding biomass target = 40% of B ₀)	1,350 mt	7,940 B eggs	12,620 mt	1,550 mt	9,153 mt N 8,389 mt S
MFMT (maximum fishing mortality threshold = F _{MSY})	F _{50%}	F _{50%}	F _{73%}	F _{57%}	F _{45%:} F = 0.12 N F = 0.14 S
Harvest control rule ^{5/}	F = 0.0136	F = 0.0X	F = 0.0220	F = 0.0139	F = 0.053 N F = 0.061 S
T _{TARGET} ^{5/}	2095	2XXX	2074	2052	2009

- 1/ Cowcod were assessed in the Conception area. All parameters/targets are for the Conception area, although cowcod retention is prohibited throughout its range.
- 2/ Bocaccio were assessed by MacCall (2002) in the Conception and Monterey INPFC areas combined. Biomass estimates are spawning output in billions of eggs. A revised rebuilding analysis indicates rebuilding cannot occur within TMAX with at least a 50% probability, even under no harvest. Therefore,
- 3/ Yelloweye rockfish were assessed as two stocks: northern California (N CA; Monterey INPFC area north to the California/Oregon border) and Oregon (OR; waters off Oregon) (Wallace 2001). Biomass estimates are in spawning output units (s.o.) calculated as the weighted age \times the net maturity function. A new stock assessment and rebuilding analysis that may supersede these data are in development but will be available for Council consideration in September 2002. All parameters still considered preliminary.
- 4/ West Coast lingcod were assessed as two stocks north (Columbia and U.S. Vancouver INPFC areas) and south (Eureka, Monterey, and Conception INPFC areas).
- 5/ Under Council interim or *Council OY* alternative rebuilding strategies except bocaccio (see footnote 2/).

TABLE 5. Current rebuilding parameter/target estimates specified for overfished West Coast groundfish: slope and midwater species. (Table 3.2-3 in the 2003 Specs EIS)

Rebuilding Parameter/Target	Slope rockfish		Midwater species	
	Darkblotched	POP	Widow	Pacific whiting ^{1/}
T ₀ (year declared overfished)	2000	1999	2001	2002
T _{MIN} (minimum time to achieve B _{MSY} @ F=0)	2014	2011	2023	2004
Mean generation time	33 years	30 years	16 years	8 years
T _{MAX} (maximum time to achieve B _{MSY})	2047	2041	2039	2012
P _{MAX} (P to achieve B _{MSY} by T _{MAX}) ^{2/}	80%	70%	60%	X%
Most recent stock assessment	Rogers et al. 2000	Ianelli et al. 2000	Williams et al. 2000	Helser et al. 2002
Most recent rebuilding analysis	Methot and Rogers 2001	Punt and Ianelli 2001	Punt and MacCall 2002	Helser 2002
B ₀ (estimated unfished biomass)	29,044 mt	60,212 units of spawning output	34,900 mt in 2000	5.25 M mt
B _{CURRENT} (current estimated biomass)	4,067 mt in 2002	13,066 units of spawning output in 1998	8,223 mt in 2000	1.26 M mt in 2002
% Unfished Biomass	14% in 2002	21.7% in 1998	23.6% in 2000	20% in 2001; 24% in 2002
MSST (minimum stock size threshold = 25% of B ₀)	7,261 mt	15,053 units of spawning output	8,725 mt	1.31 M mt
B _{MSY} (rebuilding biomass target = 40% of B ₀)	11,618 mt	24,084 units of spawning output	13,960 mt	2.1 M mt
MFMT (maximum fishing mortality threshold = F _{MSY})	F _{50%}	F _{50%}	F _{50%}	F _{40%}
Harvest control rule ^{2/}	F = 0.027	F = 0.0082	F = 0.0271	F = 0.0X
T _{TARGET} ^{2/}	2030	2027	2039	20XX

1/ The Pacific whiting stock was assessed in 2002. Biomass estimates are in millions of mt of age 3+ fish. Highlighted and italicized data denote unspecified rebuilding parameters since the Helser (2002) rebuilding analysis was not endorsed by the SSC.

2/ Under Council interim rebuilding strategies except Pacific whiting.

TABLE 6. Number of marine anglers in West Coast states, 2000. (Table 3.3-19 in the 2003 Specs EIS)

State	Number of Marine Anglers (Thousands)				Percent Non-Resident
	Total	Resident	Non-Resident		
Washington	497	450	47		9%
Oregon	365	285	80		22%
California	1,705	1,485	220		13%

Source: Derived from PacFIN monthly vessel summary files.

TABLE 7. Trends in effort for recreational ocean fisheries in thousands of angler trips. (Table 3.3-20 in the 2003 Specs EIS)

Area	Charter						Private					
	1996	1997	1998	1999	2000	2001 ^{a/}	1996	1997	1998	1999	2000	2001 ^{a/}
Total Angler Trips												
Washington	51	50	44	49	49	59	52	55	37	52	52	88
Oregon	54	65	57	60	87	70	57	87	213	173	330	140
Northern California	90	139	158	162	206	221	253	312	528	549	523	901
Southern California	982	812	674	609	876	577	1,099	1,073	1,167	879	1,314	1,757
Total	1,177	1,066	933	880	1,218	927	1,461	1,527	1,945	1,653	2,219	2,886
Groundfish Target and Incidental												
Washington	24	19	23	21	25	12	24	21	54	25	30	10
Oregon	43	47	47	44	69	47	33	57	119	88	153	22
Northern California	63	159	58	95	101	141	110	113	160	188	120	164
Southern California	59	23	33	45	57	204	35	11	15	30	28	252
Total	189	248	161	205	252	404	202	202	348	331	331	448

a/ 2001 estimates not directly comparable to previous years due to differences in estimation methodology.

TABLE 8. Coastwide annual and bi-monthly commercial landings of overfished species by fleet, metric tons 1999-2001. (Table 3.4-1 in the 2003 Specs EIS)

Species/Fleet	1999	2000	2001	1999						2000						2001						
	All	All	All	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	
Bocaccio																						
LE Trawl	30.3	16.1	13.9	5.5	5.1	5.8	6.3	5.6	2.0	0.8	2.3	3.3	2.7	3.8	3.2	2.0	2.2	3.1	3.8	2.7	0.0	
LE Fixed-gear	5.0	2.4	2.4	0.5	1.0	1.0	0.7	1.6	0.1	0.0	0.1	0.8	0.6	0.6	0.3	0.3	0.1	0.4	1.2	0.5	0.0	
LE Shrimp-trawl	0.3	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OA Non-shrimp	22.8	5.9	6.4	3.7	5.1	3.4	4.7	4.0	1.9	0.8	0.1	1.4	0.8	1.3	1.6	1.6	0.3	0.5	2.0	2.0	2.0	
OA Shrimp-trawl	0.2	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	
Total	58.5	24.6	22.8	10.0	11.2	10.2	11.8	11.4	4.0	1.6	2.6	5.4	4.1	5.8	5.2	3.9	2.7	4.1	6.9	5.2	0.0	
Canary																						
LE Trawl	494.6	33.4	25.6	25.5	67.8	179.0	153.0	66.9	2.4	0.2	2.1	10.3	10.3	8.9	1.6	0.9	1.8	8.2	11.1	3.5	0.1	
LE Fixed-gear	55.4	5.9	5.1	2.0	8.0	24.2	15.4	5.8	0.0	0.2	0.5	2.2	1.3	1.2	0.4	0.6	0.7	1.5	1.3	1.0	0.0	
LE Shrimp-trawl	14.2	4.3	0.7	0.9	5.3	4.8	3.3	0.0	0.0	0.0	0.9	2.7	0.7	0.0	0.0	0.5	0.2	0.0	0.0	0.0	0.0	
OA Non-shrimp	56.6	5.0	2.8	0.4	11.1	19.8	19.0	5.8	0.4	0.3	0.4	1.8	1.2	1.0	0.3	0.2	0.5	1.1	0.7	0.3	0.0	
OA Shrimp-trawl	21.3	7.2	2.0	1.2	9.2	7.0	4.0	0.0	0.0	0.0	1.6	3.9	1.6	0.0	0.1	0.8	1.0	0.0	0.0	0.0	0.0	
Total	642.2	55.8	36.2	28.0	88.9	237.5	199.2	85.8	2.8	0.6	3.0	16.9	19.5	13.5	2.3	1.7	3.1	12.2	14.3	4.8	0.1	
Cowcod																						
LE Trawl	3.8	1.4	0.8	0.5	1.2	0.1	0.8	1.2	0.0	0.1	0.2	0.1	0.3	0.3	0.3	0.4	0.2	0.0	0.1	0.1	0.1	
LE Fixed-gear	0.3	0.5	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
LE Shrimp-trawl	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OA Non-shrimp	2.2	0.4	0.0	0.4	0.8	0.3	0.4	0.0	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
OA Shrimp-trawl	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	6.5	2.4	0.8	1.0	2.1	0.5	1.4	1.2	0.2	0.2	0.3	0.2	0.8	0.6	0.4	0.4	0.2	0.0	0.1	0.1	0.1	
Darkblotched																						
LE Trawl	280.2	216.5	141.0	34.1	56.8	96.1	64.1	26.8	2.3	28.7	25.3	52.5	42.7	41.7	25.7	22.2	24.9	33.8	31.5	26.4	2.4	
LE Fixed-gear	1.7	1.8	0.0	0.0	0.0	0.0	1.5	0.4	0.0	0.0	0.7	0.3	0.4	0.3	0.0	0.0	0.1	0.0	0.6	1.0	0.0	
LE Shrimp-trawl	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OA Non-shrimp	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	
OA Shrimp-trawl	2.0	0.0	0.0	0.0	0.0	0.3	1.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	284.3	218.8	143.1	34.1	56.8	96.5	67.0	27.6	2.3	28.7	26.2	52.9	43.3	42.0	25.8	22.2	25.1	33.8	32.1	27.4	2.4	
Lingcod																						
LE Trawl	204.3	61.8	58.5	12.1	30.9	59.2	59.8	32.4	9.9	0.0	0.1	18.3	24.8	18.1	0.5	0.2	0.0	21.1	18.8	18.3	0.1	
LE Fixed-gear	33.1	17.2	18.8	2.1	4.4	7.3	12.2	6.6	0.5	0.0	0.0	4.8	6.4	5.8	0.1	0.0	0.0	5.1	7.8	5.8	0.1	
LE Shrimp-trawl	14.9	6.4	1.6	1.0	5.8	5.9	2.2	0.0	0.0	0.0	0.0	3.6	2.5	0.3	0.0	0.9	0.4	0.2	0.0	0.0	0.0	
OA Non-shrimp	84.7	49.0	63.5	0.6	11.7	25.3	34.0	12.7	0.4	0.1	1.1	26.9	20.2	0.6	0.1	0.0	0.0	19.3	25.0	19.0	0.1	
OA Shrimp-trawl	17.5	9.1	5.5	0.5	6.1	7.2	3.8	0.0	0.0	0.0	0.0	4.8	4.4	0.0	0.0	0.0	0.0	3.2	2.2	0.0	0.0	
Total	354.5	143.5	147.8	14.9	48.5	103.6	119.1	57.7	10.8	0.1	1.2	58.3	58.4	24.8	0.7	0.2	0.1	49.6	54.2	43.5	0.2	
Pacific Ocean Perch																						
LE Trawl	481.4	139.7	187.5	28.3	75.9	122.6	138.6	88.0	28.0	6.9	6.5	38.8	40.1	35.5	11.9	24.3	22.7	45.5	54.5	40.6	0.0	
LE Fixed-gear	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
LE Shrimp-trawl	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OA Non-shrimp	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OA Shrimp-trawl	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total	481.8	140.6	187.6	28.3	75.9	122.8	138.6	88.2	28.0	6.9	6.6	39.5	40.3	35.5	11.9	24.3	22.7	45.5	54.5	40.6	0.0	
Widow																						
LE Trawl	3,836.3	3,761.8	1,750.4	882.0	843.6	309.0	345.6	694.7	761.5	374.0	487.1	404.6	601.1	1,069.0	826.1	387.9	456.1	189.6	53.6	15.5	647.7	
LE Fixed-gear	16.1	5.3	0.5	1.7	1.9	2.4	3.9	5.7	0.4	0.1	0.7	1.8	0.9	1.5	0.3	0.1	0.1	0.0	0.1	0.1	0.2	
LE Shrimp-trawl	5.2	1.0	0.5	0.7	1.6	2.3	0.5	0.0	0.0	0.0	0.2	0.5	0.2	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0	
OA Non-shrimp	41.4	17.7	13.0	4.5	4.9	2.8	8.4	14.9	5.8	2.0	0.1	1.6	2.7	6.4	4.9	5.1	1.2	1.9	3.1	1.6	0.1	
OA Shrimp-trawl	4.6	1.7	0.6	0.5	1.6	1.5	0.9	0.0	0.0	0.1	0.7	0.7	0.2	0.2	0.0	0.2	0.3	0.0	0.0	0.0	0.0	
Total	3,903.5	3,787.5	1,765.0	888.2	851.6	317.6	361.6	716.7	767.7	376.2	487.9	408.9	605.9	1,077.4	831.3	393.2	457.7	192.2	56.8	17.3	647.8	
Yelloweye																						
LE Trawl	20.5	1.0	2.2	0.4	1.6	4.3	9.7	4.5	0.0	0.0	0.0	0.2	0.5	0.2	0.0	0.0	0.1	0.5	1.2	0.5	0.0	
LE Fixed-gear	47.7	5.0	6.9	0.5	2.5	5.1	34.5	5.1	0.0	0.0	0.4	1.3	1.5	1.6	0.1	0.7	1.0	2.0	1.7	1.4	0.0	
OA Non-shrimp	15.4	2.9	2.9	0.1	0.6	1.8	10.1	2.6	0.1	0.2	0.1	0.6	1.1	0.6	0.2	0.2	0.5	0.7	1.1	0.5	0.0	
Total	83.5	8.9	12.0	1.0	4.7	11.3	54.3	12.2	0.1	0.3	0.6	2.1	3.1	2.5	0.4	0.9	1.6	3.2	4.0	2.3	0.0	

TABLE 9. Annual and bi-monthly commercial landings of overfished species by area and fleet, metric tons, 1999-2001. (Table 3.4-2 in the 2003 Specs EIS)

Species/Fleet	1999	2000	2001	1999						2000						2001								
	All	All	All	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6			
Bocaccio																								
CA: Ft. Bragg-Avila																								
LE Trawl	30.3	16.1	13.9	5.5	5.1	5.8	6.3	5.6	2.0	0.8	2.3	3.3	2.7	3.8	3.2	2.0	2.2	3.1	3.8	2.7	0.0			
LE Fixed-gear	3.6	1.6	1.5	0.3	0.8	0.5	0.6	1.4	0.1	0.0	0.0	0.5	0.5	0.5	0.1	0.3		0.9	0.4					
LE Shrimp-trawl	0.1	0.1	0.0	0.1	0.0			0.0		0.0	0.1	0.0	0.0						0.0					
OA Non-shrimp	19.4	4.9	4.2	2.8	3.9	2.6	4.6	3.7	1.8	0.7	0.0	1.1	0.7	1.2	1.1	1.6	0.0	0.0	1.6	1.0				
OA Shrimp-trawl	0.2	0.0		0.0	0.0	0.1	0.1	0.0				0.0												
Total	53.6	22.8	19.7	8.6	9.8	8.9	11.6	10.8	3.9	1.6	2.4	4.9	3.9	5.6	4.4	3.9	2.2	3.1	6.3	4.1	0.0			
CA: S. of Avila																								
LE Fixed-gear	1.3	0.8	0.8	0.3	0.2	0.5	0.1	0.3	0.0		0.1	0.3	0.1	0.1	0.2	0.0	0.1	0.4	0.3	0.1				
LE Shrimp-trawl	0.1			0.1																				
OA Non-shrimp	3.4	1.0	2.2	0.9	1.2	0.8	0.1	0.3	0.1	0.0	0.0	0.1	0.2	0.1	0.1	0.5	0.3	0.5	0.3	1.0				
OA Shrimp-trawl	0.0	0.0	0.1	0.0	0.0			0.0			0.0	0.0		0.0		0.0	0.0	0.1	0.0					
Total	4.9	1.9	3.1	1.3	1.4	1.3	0.2	0.6	0.1	0.0	0.1	0.5	0.2	0.2	0.8	0.0	0.5	0.9	0.7	1.1				
Canary																								
Washington																								
LE Trawl	116.2	6.5	6.1	1.3	6.6	49.0	42.3	16.8	0.2		0.3	1.4	2.0	2.2	0.5	0.3	0.3	1.4	3.1	1.1				
LE Fixed-gear	3.0	1.6	1.2		0.0	0.6	1.4	1.0		0.1	0.2	0.9	0.3	0.1	0.1	0.0	0.1	0.6	0.5	0.1				
LE Shrimp-trawl	0.4	0.4			0.0	0.2	0.2	0.1			0.2	0.1	0.2											
OA Non-shrimp	2.6	0.9	0.3	0.0	0.5	1.6	0.3	0.2			0.0	0.6	0.1	0.1	0.0	0.0	0.0	0.3	0.0	0.0				
OA Shrimp-trawl	0.8	0.9	0.3		0.1	0.2	0.4	0.2			0.1	0.2	0.6			0.0	0.2	0.1	0.1					
Total	123.1	10.2	7.9	1.3	7.2	51.7	44.5	18.2	0.2	0.1	0.5	3.1	2.7	3.2	0.6	0.3	0.4	2.4	3.6	1.2				
OR: N. of Yachats																								
LE Trawl	218.5	14.2	8.1	6.7	48.9	75.5	55.3	32.0	0.1	0.0	0.2	6.5	3.5	3.5	0.4	0.2	0.6	2.8	3.5	1.0	0.0			
LE Fixed-gear	13.2	0.7	0.3		2.0	7.5	3.0	0.7		0.0	0.0	0.4	0.1	0.1		0.0	0.0	0.0	0.0	0.2				
LE Shrimp-trawl	5.1	2.1	0.3		0.0	2.2	2.0	0.8			0.6	1.2	0.3			0.0	0.2	0.1	0.1					
OA Non-shrimp	18.4	0.9	0.4	0.0	6.7	10.3	1.1	0.3	0.0	0.0	0.1	0.5	0.2	0.1	0.0	0.0	0.0	0.2	0.1	0.0				
OA Shrimp-trawl	17.8	4.8	1.5		0.4	8.5	5.8	3.0	0.0		0.0	1.4	2.5	0.8		0.1	0.6	0.7	0.0					
Total	272.9	22.6	10.5	6.7	58.0	104.1	67.2	36.8	0.1	0.0	0.3	9.5	7.6	4.9	0.4	0.3	0.7	3.8	4.5	1.2	0.0			
OR: S. of Yachats																								
LE Trawl	73.9	2.2	3.3	5.5	4.3	38.0	16.5	9.2	0.3	0.0	0.2	0.7	0.4	0.7	0.2	0.1	0.3	1.2	1.2	0.4				
LE Fixed-gear	35.6	3.1	3.5	2.0	5.0	15.2	11.0	2.4	0.0	0.1	0.3	0.7	0.8	0.9	0.2	0.6	0.5	0.9	0.9	0.7				
LE Shrimp-trawl	7.0	1.7	0.3		0.3	2.5	1.9	2.3			0.1	1.5	0.1			0.0	0.3	0.0						
OA Non-shrimp	32.9	1.7	1.6	0.2	3.7	7.6	16.2	5.0	0.3	0.0	0.2	0.6	0.5	0.3	0.0	0.1	0.4	0.7	0.3	0.1				
OA Shrimp-trawl	2.1	1.2	0.1		0.6	0.4	0.6	0.6			0.1	0.9	0.2			0.0	0.0	0.0	0.0	0.0				
Total	151.6	9.9	8.8	7.7	13.9	63.8	46.1	19.5	0.6	0.1	0.7	2.2	4.1	2.3	0.4	0.8	1.2	3.1	2.5	1.2				
CA: N. of Ft. Bragg																								
LE Trawl	58.3	8.1	5.6	4.8	3.3	9.8	33.6	6.0	0.8	0.0	0.8	1.0	3.9	2.1	0.3	0.1	0.5	2.0	2.4	0.7				
LE Fixed-gear	0.0	0.1	0.1			0.0				0.0	0.0	0.0	0.0	0.0		0.0	0.1	0.0						
LE Shrimp-trawl	1.4	0.0	0.1		0.2	0.4	0.6	0.1			0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0			
OA Non-shrimp	0.5	0.4	0.2		0.0		0.5	0.0		0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.1	0.1	0.0	0.0				
OA Shrimp-trawl	0.5	0.4	0.2		0.1	0.1	0.2	0.2			0.0	0.3				0.2			0.2					
Total	60.8	9.0	6.2	4.8	3.6	10.3	34.9	6.4	0.8	0.0	0.8	1.1	4.4	2.3	0.4	0.1	0.6	2.1	2.6	0.7				

TABLE 9. Annual and bi-monthly commercial landings of overfished species by area and fleet, metric tons, 1999-2001. (Table 3.4-2 in the 2003 Specs EIS)

Species/Fleet	1999	2000	2001	1999						2000						2001						
	All	All	All	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	
CA: Ft. Bragg-Avila																						
LE Trawl	27.7	2.4	2.4	7.3	4.7	6.7	5.2	2.9	0.9	0.1	0.5	0.6	0.5	0.5	0.2	0.2	0.2	0.8	0.8	0.4	0.0	
LE Fixed-gear	3.6	0.5			1.0	0.8	0.1	1.7		0.0	0.0	0.1	0.1	0.1	0.1							
LE Shrimp-trawl	0.4	0.0			0.4		0.0	0.0														
OA Non-shrimp	2.1	1.1	0.4	0.2	0.2	0.2	1.0	0.4	0.2	0.3	0.0	0.2	0.2	0.3	0.2	0.1		0.2	0.1			
OA Shrimp-trawl	0.1	0.0				0.1					0.0		0.0									
Total	33.8	4.1	2.8	7.5	6.2	7.7	6.3	4.9	1.1	0.4	0.6	0.9	0.9	0.9	0.5	0.2	0.2	0.8	1.0	0.5	0.0	
Cowcod																						
CA: Ft. Bragg-Avila																						
LE Trawl	3.8	1.4	0.8	0.5	1.2	0.1	0.8	1.2	0.0	0.1	0.2	0.1	0.3	0.3	0.3	0.4	0.2	0.0	0.1	0.1	0.1	
LE Fixed-gear	0.0	0.5				0.0				0.0	0.0	0.0	0.3	0.1	0.0							
LE Shrimp-trawl										0.0	0.0	0.0	0.0	0.0	0.0							
OA Non-shrimp	0.4	0.2	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		0.0					
OA Shrimp-trawl	0.1	0.1		0.0	0.0	0.0	0.1	0.0		0.0	0.0	0.0	0.0	0.0	0.0							
Total	4.3	2.1	0.8	0.5	1.2	0.3	1.0	1.2	0.1	0.2	0.3	0.2	0.7	0.5	0.4	0.4	0.2	0.0	0.1	0.1	0.1	
CA: S. of Avila																						
LE Fixed-gear	0.3	0.0			0.1	0.0	0.1	0.1	0.0		0.0	0.0	0.0	0.0	0.0							
OA Non-shrimp	1.8	0.3		0.4	0.8	0.2	0.3	0.0	0.2		0.0	0.1	0.1	0.1	0.0							
OA Shrimp-trawl	0.1					0.1																
Total	2.2	0.3		0.4	0.9	0.2	0.5	0.1	0.2		0.0	0.1	0.1	0.1	0.0							
Darkblotched																						
Washington																						
LE Trawl	10.3	8.6	8.2	1.5	2.6	2.9	2.2	1.0	0.1	0.5	0.7	1.0	3.1	1.8	1.5	0.8	1.2	1.2	1.6	3.3		
LE Fixed-gear				0.0									0.0	0.0	0.0		0.0	0.0	0.0	0.0		
OA Non-shrimp	0.0	0.0	0.0			0.0						0.0										
Total	10.3	8.7	8.2	1.5	2.6	2.9	2.2	1.1	0.1	0.5	0.7	1.0	3.2	1.8	1.5	0.8	1.2	1.2	1.6	3.3		
OR: N. of Yachats																						
LE Trawl	68.5	57.1	32.7	1.0	10.0	22.7	28.3	6.3	0.3	6.4	6.7	13.0	9.9	13.5	7.5	5.9	3.9	7.6	8.7	6.7		
LE Fixed-gear	0.1	0.0								0.1	0.1								0.0			
LE Shrimp-trawl	0.2					0.0		0.1														
OA Non-shrimp	0.0					0.0																
OA Shrimp-trawl	1.1	0.0				0.3	0.5	0.3											0.0	0.0	0.0	
Total	69.8	57.2	32.7	1.0	10.0	23.1	28.8	6.6	0.3	6.4	6.7	13.0	9.9	13.6	7.5	5.9	3.9	7.6	8.7	6.7		
OR: S. of Yachats																						
LE Trawl	120.7	53.6	31.0	28.2	27.1	40.9	14.8	8.3	1.4	13.0	7.5	15.8	4.5	8.3	4.5	6.1	6.0	7.0	7.8	3.9	0.1	
LE Fixed-gear	0.0	0.2				0.0	0.0	1.5	0.3				0.0	0.0		0.0	0.0					
LE Shrimp-trawl	1.8	0.0				0.0	0.0	1.5	0.3									0.0				
OA Non-shrimp	0.0	0.0	0.1			0.0							0.0				0.1	0.0				
OA Shrimp-trawl	0.9	0.0	0.0			0.0	0.0	0.8	0.1				0.0				0.0					
Total	123.4	53.7	31.3	28.2	27.2	40.9	17.1	8.7	1.4	13.0	7.5	15.8	4.5	8.4	4.5	6.1	6.1	7.1	7.8	4.1	0.1	
CA: N. of Ft. Bragg																						
LE Trawl	75.8	59.9	24.9	2.3	17.0	27.4	18.5	10.1	0.4	5.3	6.6	18.6	19.8	8.4	1.0	3.3	6.0	11.2	3.0	1.5	0.0	
LE Fixed-gear	0.0	0.1								0.0						0.1	0.0	0.0	0.0			
LE Shrimp-trawl	0.0																	0.0				
OA Non-shrimp	0.1	0.2	0.0			0.0	0.0			0.0			0.2					0.0				
OA Shrimp-trawl	0.0																	0.0				
Total	75.8	60.1	25.1	2.3	17.0	27.4	18.5	10.1	0.4	5.3	6.7	18.6	20.0	8.4	1.0	3.3	6.1	11.2	3.0	1.5	0.0	

TABLE 9. Annual and bi-monthly commercial landings of overfished species by area and fleet, metric tons, 1999-2001. (Table 3.4-2 in the 2003 Specs EIS)

Species/Fleet	1999			2000			2001			1999			2000			2001						
	All	All	All	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	
CA: Ft. Bragg-Avila																						
LE Trawl	4.9	37.3	44.2	1.1	0.1	2.2	0.3	1.1	0.1	3.5	3.7	4.1	5.3	9.5	11.2	6.1	7.8	6.7	10.4	11.0	2.2	
LE Fixed-gear		1.6	1.4					0.0		0.7	0.3	0.3	0.3	0.3	0.0				0.6	0.8		
OA Non-shrimp	0.0	0.3	0.1				0.0			0.0	0.1	0.1	0.0	0.0	0.0				0.0	0.0	0.1	
Total	5.0	39.2	45.7	1.1	0.1	2.2	0.3	1.1	0.1	3.5	4.5	4.4	5.7	9.9	11.2	6.1	7.8	6.7	11.0	11.8	2.3	
Lingcod																						
Washington																						
LE Trawl	21.9	9.1	8.9	1.0	2.7	7.5	8.3	1.6	0.9			3.2	3.2	2.7				3.2	3.1	2.6		
LE Fixed-gear	8.2	4.5	6.1	0.1	2.1	4.8	1.2					1.5	2.1	0.8	0.1				1.6	3.1	1.4	
LE Shrimp-trawl	0.5	0.5	0.0			0.3	0.2	0.0				0.4	0.1					0.0	0.0			
OA Non-shrimp	9.2	10.0	5.0		2.9	3.5	2.0	0.8			1.1	5.9	2.6	0.4	0.0			2.5	1.7	0.8		
OA Shrimp-trawl	1.8	1.8	1.0		0.1	0.3	1.1	0.4				0.9	0.9					0.6	0.5			
Total	41.7	25.9	21.2	1.0	5.8	13.7	16.3	4.1	0.9		1.1	11.8	9.0	3.9	0.1			7.9	8.4	4.8		
OR: N. of Yachats																						
LE Trawl	64.3	16.9	13.4	2.9	14.1	18.9	17.5	9.8	1.1		0.1	3.6	9.5	3.6	0.1	0.0		4.8	5.0	3.6		
LE Fixed-gear	1.6	1.7	3.3		0.0	0.2	1.0	0.5				0.6	1.0	0.1				0.3	1.6	1.4		
LE Shrimp-trawl	3.6	3.9	0.8		0.0	1.7	1.3	0.6				2.1	1.5	0.3				0.5	0.3	0.1		
OA Non-shrimp	9.1	8.0	8.0		1.4	3.2	3.7	0.8				5.6	2.5	0.0				3.9	3.1	1.0	0.0	
OA Shrimp-trawl	11.5	6.1	3.9		0.2	4.2	4.6	2.5				3.2	2.9					0.0	2.3	1.6	0.0	
Total	90.1	36.7	29.5	2.9	15.7	28.2	28.0	14.2	1.1		0.1	15.2	17.3	3.9	0.1	0.0	0.0	11.8	11.4	6.2	0.0	
OR: S. of Yachats																						
LE Trawl	32.7	8.0	9.2	1.9	4.1	10.5	8.3	5.9	1.9			3.5	1.8	2.5	0.2			3.4	2.6	3.2		
LE Fixed-gear	13.4	6.1	5.8	1.5	3.2	3.3	3.9	1.3	0.1			1.5	1.8	2.7	0.0			2.3	1.7	1.8		
LE Shrimp-trawl	9.8	1.6	0.3		0.9	3.6	3.9	1.4				0.9	0.7					0.0	0.2	0.1		
OA Non-shrimp	24.9	10.9	21.5		3.3	6.7	12.1	2.8	0.0			6.5	4.4	0.0	0.0			10.0	6.0	5.5		
OA Shrimp-trawl	3.0	1.0	0.5		0.2	1.2	1.1	0.6				0.6	0.4					0.3	0.2	0.0		
Total	83.8	27.6	37.3	3.4	11.7	25.3	29.3	12.0	2.1			13.0	9.1	5.3	0.2			16.0	10.6	10.6		
CA: N. of Ft. Bragg																						
LE Trawl	42.2	17.0	16.9	1.6	4.3	13.8	14.0	6.8	1.8			5.1	6.3	5.4	0.1			6.3	5.0	5.6		
LE Fixed-gear	4.4	2.3	1.8	0.0	0.3	1.3	1.3	1.5				0.8	0.6	0.9		0.0		0.8	0.8	0.2		
LE Shrimp-trawl	0.9	0.0	0.3		0.1	0.1	0.6	0.1				0.0		0.0				0.3	0.0			
OA Non-shrimp	10.8	6.9	9.7	0.0	0.5	2.6	5.4	2.3			0.1	3.4	3.4					2.8	3.7	3.2		
OA Shrimp-trawl	0.9	0.2	0.0		0.0	0.4	0.2	0.3				0.1	0.1					0.0				
Total	59.2	26.4	28.6	1.6	5.2	18.1	21.5	11.0	1.8		0.1		9.4	10.5	6.4	0.1		0.0	10.2	9.5	8.9	
CA: Ft. Bragg-Avila																						
LE Trawl	43.3	10.8	10.0	4.8	5.7	8.6	11.7	8.3	4.2	0.0	0.0	2.9	4.0	3.9	0.1	0.2	0.0	3.3	3.0	3.4	0.1	
LE Fixed-gear	5.5	2.6	1.8	0.6	0.7	0.4	1.2	2.2	0.3			0.5	0.8	1.3	0.0			0.7	1.0	0.1		
LE Shrimp-trawl	0.1	0.3	0.1		0.0	0.0						0.1	0.2					0.1	0.0			
OA Non-shrimp	30.8	13.1	19.3	0.6	3.6	9.4	10.8	5.9	0.4	0.0	0.0	5.5	7.4	0.1	0.1	0.0	0.0	0.2	10.5	8.5	0.0	
OA Shrimp-trawl	0.3	0.0	0.0		0.0	0.3						0.0	0.0					0.0				
Total	79.9	26.8	31.2	6.0	10.0	18.4	24.1	16.3	4.9	0.0	0.0	8.9	12.4	5.2	0.2	0.2	0.1	3.6	14.2	13.0	0.2	

TABLE 9. Annual and bi-monthly commercial landings of overfished species by area and fleet, metric tons, 1999-2001. (Table 3.4-2 in the 2003 Specs EIS)

Species/Fleet	1999	2000	2001	1999						2000						2001							
	All	All	All	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6		
Pacific Ocean Perch																							
Washington																							
LE Trawl	144.8	34.9	50.6	9.1	17.4	40.5	33.5	33.6	10.7	1.3	1.9	11.3	10.7	7.6	2.2	6.4	5.2	10.0	16.2	12.7			
LE Fixed-gear		0.5	0.0									0.5						0.0				0.0	
LE Shrimp-trawl		0.0										0.0											
OA Non-shrimp	0.1	0.0	0.0					0.1					0.0									0.0	
OA Shrimp-trawl	0.0	0.0	0.0									0.0	0.0										
Total	144.9	35.5	50.6	9.1	17.4	40.5	33.6	33.7	10.7	1.3	1.9	11.8	10.7	7.6	2.2	6.4	5.2	10.0	16.2	12.7			
OR: N. of Yachats																							
LE Trawl	303.9	95.7	129.8	15.7	48.7	73.1	98.5	52.6	15.1	4.7	3.9	24.0	27.6	26.5	8.9	16.0	15.2	34.1	37.2	27.4			
LE Fixed-gear		0.0	0.0									0.0						0.0			0.0		
LE Shrimp-trawl	0.0	0.0	0.0			0.0	0.0	0.0				0.0	0.0							0.0			
OA Non-shrimp	0.0					0.0																	
OA Shrimp-trawl	0.1	0.1	0.0			0.0	0.0	0.0				0.0	0.0							0.0			
Total	304.0	95.8	129.9	15.7	48.8	73.2	98.5	52.7	15.1	4.7	3.9	24.1	27.7	26.5	8.9	16.0	15.2	34.1	37.2	27.4			
OR: S. of Yachats																							
LE Trawl	21.1	6.0	6.5	3.1	4.2	4.9	5.0	1.7	2.3	0.8	0.2	2.8	0.5	0.8	0.9	1.8	2.1	1.1	1.0	0.4			
LE Fixed-gear	0.1	0.0	0.0			0.1					0.0	0.0									0.0		
LE Shrimp-trawl		0.1									0.1												
OA Non-shrimp	0.1	0.0				0.0	0.1				0.0												
OA Shrimp-trawl		0.0									0.0												
Total	21.3	6.1	6.5	3.1	4.2	5.1	5.0	1.7	2.3	0.8	0.2	2.9	0.5	0.8	0.9	1.8	2.1	1.1	1.0	0.4	0.0		
CA: N. of Ft. Bragg																							
LE Trawl	10.6	3.1	0.3	0.4	4.6	4.0	1.5	0.1		0.1	0.5	0.7	1.2	0.6		0.0	0.2	0.1	0.0				
OA Non-shrimp		0.0														0.0	0.2	0.1	0.0				
Total	10.6	3.1	0.4	0.4	4.6	4.0	1.5	0.1		0.1	0.5	0.7	1.2	0.6		0.0	0.2	0.1	0.0				
CA: Ft. Bragg-Avila																							
LE Trawl	1.0		0.3			1.0										0.1	0.2	0.0					
LE Fixed-gear		0.1														0.1							
OA Non-shrimp		0.0																	0.0				
Total	1.0	0.1	0.3			1.0										0.1	0.2	0.0		0.0			
Widow																							
Washington																							
LE Trawl	513.4	373.0	289.8	146.0	137.9	29.2	43.1	93.9	63.3	30.6	26.6	13.7	36.6	143.0	122.4	67.7	75.6	17.5	16.5	9.1	103.4		
LE Fixed-gear	0.0	0.0	0.0			0.0	0.0									0.0							
LE Shrimp-trawl		0.0	0.0									0.0											
OA Non-shrimp	0.5	0.9	0.0			0.0	0.0	0.2	0.3		0.0	0.4	0.4	0.1			0.0	0.0					
OA Shrimp-trawl	0.0	0.1				0.0										0.1	0.1						
Total	514.0	373.9	289.9	146.0	137.9	29.2	43.2	94.1	63.6	30.6	26.6	14.1	37.1	143.1	122.4	67.7	75.6	17.6	16.5	9.2	103.4		
OR: N. of Yachats																							
LE Trawl	2,156.7	2,008.0	846.5	452.6	387.2	137.3	193.9	432.6	553.2	244.9	215.5	230.0	340.1	533.8	443.8	210.2	212.9	85.1	29.1	1.1	308.2		
LE Fixed-gear	0.1	0.0	0.0			0.0	0.0	0.1	0.0		0.0	0.0						0.0	0.0				
LE Shrimp-trawl	0.4	0.3	0.1			0.1	0.1	0.2			0.1	0.1	0.2					0.0	0.0				
OA Non-shrimp	1.4	0.3	0.0			1.2	0.0	0.0	0.2		0.0	0.2	0.0				0.0						
OA Shrimp-trawl	2.3	1.0	0.4			0.4	0.5	0.6	0.8		0.0	0.6	0.3	0.1			0.2	0.2	0.0				
Total	2,161.0	2,009.6	847.1	452.6	388.7	137.9	194.8	433.8	553.2	244.9	215.5	230.7	340.8	534.0	443.8	210.2	213.0	85.3	29.2	1.1	308.2		

TABLE 9. Annual and bi-monthly commercial landings of overfished species by area and fleet, metric tons, 1999-2001. (Table 3.4-2 in the 2003 Specs EIS)

Species/Fleet	1999	2000	2001	1999						2000						2001							
	All	All	All	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6		
OR: S. of Yachats																							
LE Trawl	583.8	698.1	296.1	146.0	171.8	78.1	47.7	82.5	57.7	43.5	121.7	87.3	108.5	172.7	164.4	55.0	88.3	28.8	3.4	0.5	120.1		
LE Fixed-gear	9.0	1.0	0.3	1.1	0.7	2.1	3.3	1.9		0.1	0.7	0.2		0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0		
LE Shrimp-trawl	1.9	0.5	0.1		0.3	0.7	0.6	0.3				0.1	0.3	0.1				0.1					
OA Non-shrimp	4.2	1.2	0.5		1.4	0.9	1.2	0.7		0.1	0.5	0.0	0.6	0.0		0.2	0.2	0.0	0.0	0.0	0.0		
OA Shrimp-trawl	0.9	0.4	0.0		0.1	0.1	0.5	0.1			0.0	0.2	0.2		0.0		0.0	0.0	0.0	0.0			
Total	599.8	701.1	296.9	147.1	174.3	81.8	53.4	85.5	57.7	43.6	122.4	88.1	109.0	173.6	164.4	55.3	88.5	29.0	3.4	0.5	120.1		
CA: N. of Ft. Bragg																							
LE Trawl	221.5	413.3	255.9	57.2	53.3	42.4	34.0	20.5	14.1	13.6	64.8	26.8	81.5	165.4	61.3	38.3	77.9	44.7	1.7	0.4	92.8		
LE Fixed-gear	0.7	2.7		0.1		0.1	0.5	0.1				1.3	0.1	1.2	0.0								
LE Shrimp-trawl	2.8	0.1	0.3		0.4	0.9	1.5	0.0				0.0	0.1					0.3					
OA Non-shrimp	2.0	2.4	1.1	0.0	0.2	0.2	0.7	0.9	0.0	0.0	0.0	0.2	1.0	1.2	0.1	0.0	0.1	0.9	0.1	0.1	0.0		
OA Shrimp-trawl	1.4	0.2	0.0		0.0	1.0	0.3	0.0			0.1	0.1					0.0		0.0				
Total	228.4	418.7	257.3	57.3	53.9	44.6	37.0	21.6	14.2	13.7	64.8	28.4	82.8	167.7	61.3	38.3	78.0	45.9	1.8	0.5	92.8		
CA: Ft. Bragg-Avila																							
LE Trawl	360.8	269.5	62.2	80.2	93.5	22.1	26.8	65.1	73.1	41.4	58.6	46.6	34.5	54.1	34.3	16.8	1.5	13.5	2.8	4.4	23.1		
LE Fixed-gear	6.2	1.7	0.2	0.6	1.2	0.3	0.1	3.7	0.4	0.0	0.3	0.7	0.3	0.3	0.3	0.0		0.1	0.2				
LE Shrimp-trawl	0.0	0.0			0.0			0.0			0.0			0.0									
OA Non-shrimp	33.2	12.8	11.4	4.5	2.1	1.7	6.5	13.0	5.5	2.0	0.5	1.0	4.5	4.8		4.9	1.0	0.9	3.0	1.5	0.1		
OA Shrimp-trawl	0.0	0.1				0.0		0.0			0.0	0.0	0.1										
Total	400.3	284.1	73.8	85.3	96.8	24.0	33.3	81.8	79.0	43.4	58.7	47.5	36.3	58.9	39.4	21.7	2.5	14.4	5.9	6.0	23.2		
Yelloweye Washington																							
LE Trawl	9.9	0.2	0.8	0.3	0.3	0.9	4.7	3.8			0.0	0.1	0.0	0.0				0.0	0.0	0.5	0.3		
OA Non-shrimp	0.0	0.0				0.0					0.0		0.0										
Total	9.9	0.2	0.8	0.3	0.3	0.9	4.7	3.8			0.0	0.1	0.0	0.0				0.0	0.0	0.5	0.3		
OR: N. of Yachats																							
LE Trawl	1.2		0.2	0.0	0.2	0.4	0.4	0.2	0.0									0.0	0.0	0.1	0.0		
LE Fixed-gear	17.2				0.3	0.9	14.2	1.8															
OA Non-shrimp	1.1				0.3	0.5	0.1	0.1	0.0														
Total	19.5		0.2	0.0	0.8	1.8	14.7	2.1	0.0									0.0	0.0	0.1	0.0		
OR: S. of Yachats																							
LE Trawl	1.5	0.1	0.4	0.0	0.2	1.1	0.1	0.0	0.0		0.0	0.0	0.0	0.0	0.0			0.1	0.2	0.1	0.1		
LE Fixed-gear	26.4	3.3	5.2	0.2	1.9	3.8	19.3	1.2			0.3	0.9	1.2	0.9			0.6	0.7	1.4	1.2	1.3		
OA Non-shrimp	9.0	0.9	1.1		0.1	0.6	6.7	1.5	0.0		0.0	0.2	0.4	0.2			0.1	0.2	0.2	0.3	0.2		
Total	36.9	4.3	6.6	0.2	2.3	5.6	26.0	2.8	0.1		0.4	1.2	1.7	1.1	0.0		0.8	0.9	1.7	1.7	1.6		
CA: N. of Ft. Bragg																							
LE Trawl	6.7	0.7	0.8	0.0	0.0	1.7	4.5	0.5			0.0	0.0	0.4	0.2	0.0		0.0	0.3	0.4	0.1			
LE Fixed-gear	1.7	1.0	1.5		0.2	0.4	0.6	0.6			0.0	0.1	0.3	0.1	0.5			0.1	0.3	0.6	0.5	0.1	
OA Non-shrimp	3.7	1.3	1.7		0.0	0.5	2.3	0.8	0.0		0.1	0.1	0.3	0.5	0.3	0.1		0.0	0.3	0.5	0.6	0.2	
Total	12.1	3.0	4.0	0.0	0.2	2.6	7.4	1.9	0.0		0.1	0.1	0.7	1.0	1.0	0.1		0.1	0.6	1.4	1.5	0.3	
CA: Ft. Bragg-Avila																							
LE Trawl	1.2	0.1	0.1	0.0	0.9	0.2	0.1	0.0	0.0		0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0		
LE Fixed-gear	2.3	0.6	0.2	0.4	0.1	0.0	0.4	1.5			0.0	0.0	0.0	0.1	0.3	0.1		0.0	0.1		0.0	0.0	
OA Non-shrimp	1.6	0.7	0.2	0.1	0.2	0.2	1.0	0.1	0.0		0.2	0.0	0.1	0.2	0.1	0.1		0.0		0.1	0.1	0.0	
Total	5.1	1.4	0.4	0.5	1.1	0.4	1.5	1.6	0.0		0.2	0.0	0.1	0.3	0.5	0.3		0.1	0.1	0.0	0.2	0.1	0.0

TABLE 10. Landings (mt) of target species and estimated discard mortality (mt) of overfished West Coast groundfish species in incidental open access fisheries in 2001. (Table 3.4-5 in the 2003 Specs EIS)

Fishery	Total Target Species	Total GF	Total RF ^{1/}	Bocaccio	Canary	Cowcod	Dark-blotted	Lingcod	POP	Whiting	Widow	Yellow-eye
North of 40°10' N. lat.												
Dungeness Crab	10,090			NA		NA						
Pacific Halibut	149			NA		NA						
Pink Shrimp	17,482			NA		NA						
Salmon Troll	1,788			NA	0.79	NA	UR	UR	UR	UR	0.11	0.10
Spot Prawn (trawl)	TR	UR	UR	NA	UR	NA	UR	UR	UR	UR	UR	UR
Spot Prawn (trap)	TR	UR	UR	NA	UR	NA	UR	UR	UR	UR	UR	UR
South of 40°10' N. lat.												
CA Halibut	241	293.42	40.97	1.84	0.22	UR	0.70	UR	UR	UR	0.35	UR
CPS- squid	85,929											
CPS- wetfish	81,549											
Dungeness Crab	842											
Gillnet Complex	264											
HMS	6,072											
Pink shrimp	113	1.65	1.19	0.03	0.02	UR	0.02	UR	UR	UR	TR	UR
Ridgeback prawn	161	2.71	0.21	0.07	UR	UR	UR	UR	UR	UR	UR	UR
Salmon troll	1,192			0.01	0.05	UR	UR	0.25	UR	UR	0.01	0.01
Sea Cucumber	323	0.60	0.10	0.00	0.00	0.00	0.00	UR	UR	UR	UR	UR
Spot Prawn (trawl)	91	50.84	7.97	4.58	TR	1.07	0.68	14.86	UR	214.68	2.27	0.03
Spot Prawn (trap)	95			0.26	UR	0.17	TR	11.30	UR	UR	TR	TR

TR- Trace amount (<0.01 mt); NA- Not applicable, UR- Unreported

TABLE 11. Recreational catch of overfished groundfish, 1999-2001(landed catch in mt).
(Table 3.4-3 in the 2003 Specs EIS)

Year/Species	S. California	N. California	Oregon	Washington	Total
1999					
Bocaccio	71	53	N/A	N/A	124
Canary	2	63	43	4	112
Cowcod	4	2	-	-	6
Widow	<0.1	30	2	-	32
Yelloweye	2	11	27	18	58
Lingcod	30	306	112	34	482
2000					
Bocaccio	52	59	N/A	N/A	111
Canary	<0.1	77	31	3	111
Cowcod	4	2	-	-	6
Widow	<0.1	12	15	-	27
Yelloweye	-	8	10	9	27
Lingcod	5	175	124	31	335
2001					
Bocaccio	60	49	N/A	N/A	109
Canary	-	33	16	3	52
Cowcod	N/A	N/A	N/A	N/A	N/A
Widow	<0.1	9	1	-	10
Yelloweye	-	5	3	20	28
Lingcod	23	130	111	32	296

TABLE 12. Bycatch Scorecard (June 2003 Council meeting)

Exhibit B.8.b
Supplemental GMT Report 3
June 2003

STATEMENT OF THE GROUNDFISH MANAGEMENT TEAM ON INSEASON ADJUSTMENTS

Updated Bycatch Scorecard Based on Council Inseason Action (6/19/03)

Estimated mortality (mt) of overfished West Coast groundfish species by fishery in 2003.

Fishery	Bocaccio 1/	Canary	Cowcod	Dkbl	Lingcod 7/	POP	Whiting	Widow	Yelloweye
Limited Entry Groundfish									
Trawl- Non-whiting 2/	9.8	11.0		88.0	77.0	65.5	1,800	1.4	0.6
Trawl- at-sea whiting 2a/		4.1		5.0	0.3	9.0	95,300	182.0	0.0
Trawl- shoreside whiting		0.5		1.5	0.2	0.2	50,900	30.0	
Fixed Gear	1.05	0.66	0.1		20.0				1.0
Recreational Groundfish									
WA		1.5			35.0				3.5
OR		9.6			105.0			4.0	3.7
CA (N)		0.5			195.0			1.0	0.1
CA (S)	6.27	2.77			20.0			0.0	0.4
Tribal									
Midwater Trawl		1.1		0.0	0.0	0.0	0	45.0	0.0
Bottom Trawl				0.0	4.5	0.0			
Troll		0.5		0.0	0.9	0.0			0.1
Fixed gear		0.7		0.0	5.5	0.0		0.0	3.0
Open Access									
Groundfish directed	0.2	0.3	0.0		50.0				0.5
CA Halibut	0.5	0.1	0.1	0.0	0.0	0.0	0	0.0	0.1
CA Gillnet 3/	0.5								
CA Sheepshead 3/									
CPS- wetfish 3/	0.5								
CPS- squid 4/ 5/									
Dungeness crab 3/				0.0					
HMS 3/		0.0	0.0	0.0					
Pacific Halibut 3/	0.0	0.0		0.0	UR	0.0	0	0.0	0.5
Pink shrimp	0.1	0.5		0.0	0.5	0.0	1	0.1	0.1
Ridgeback prawn	0.1	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0
Salmon troll	0.2	1.6			0.3			0.0	0.2
Sea Cucumber	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0
Spot Prawn (trawl)									
Spot Prawn (trap)									
Research: Based on 2 most recent NMFS trawl shelf and slope surveys, the IPHC halibut survey, and LOAs with expanded estimates for south of Pt. Conception.									
	2.0	1.0		1.6	3.0	3.0	200	1.5	0.8
EFPs: 6/									
CA: NS FF trawl	0.5	0.5	0.2		20.0				0.5
OR: selective FF trawl		4.0		3.1	13.0			1.0	1.2
WA: AT trawl		3.0		3.0	2.0	10.0		3.0	0.4
WA: dogfish LL		0.0		0.0	0.0	0.0	0	0.0	0.0
WA: pollock		0.0		0.0	0.0	0.0	0	0.0	0.0
EFP Subtotal		7.5		6.1	35.0	10.0	0.0	4.0	2.1
TOTAL	21.72	43.93	0.4	102.2	552.2	87.7	148,200	269.0	16.7
2003 OY	< 20	44.0	2.4	172.0	651.0	377.0	148,200	832.0	22.0

Shaded cells represent either NA- Not applicable; TR- Trace amount (<0.01 mt); UR- Not reported in available data sources.

1/ South of 40°10' N. lat.

2/ Using observer data, all landings are results of modeling GMT Option 1

2a/ Calculated using five-year average (1998-2002); includes tribal at-sea whiting

3/ Mortality estimates are not hard numbers, based on their GMT's best professional judgement.

4/ Bycatch amounts by species unavailable, but bocaccio occurred in 0.1% of all port samples and other rockfish in another 0.1% of all port samples (and squid fisheries usually land their whole catch). In 2001, out of 84,000 mt total landings 1 mt was groundfish. This suggests that total bocaccio was caught in trace amounts.

5/ Expected landed catch only. Discard/total mortality estimates not available.

6/ The Council capped the 2003 canary rockfish set-aside for all the EFPs in combination at 7.5 mt to derive an expected total catch of 44 mt of canary rockfish in 2003.

7/ Lingcod total reflects total catch, not mortality

TABLE 13. Impacts to Bocaccio and Canary Rockfish (June 2003 Council meeting)

Exhibit B.8.b
Supplemental GMT Report 4
June 2003

STATEMENT OF THE GROUNDFISH MANAGEMENT TEAM ON INSEASON ADJUSTMENTS

Summary of Impacts for Bocaccio and Canary Rockfish
Resulting from Council Inseason Action (6/19/03)

Bocaccio

Move shallow line for trawl to 60 fms south of 40°10' in Period 4	0.8
Move shallow line for recreational to 30 fms south of 34°27' (Sep-Dec)*	1.27
Move shallow line for commercial FG & OA to 30 fms south of 34°27' (Sep-Dec)*	0.95
	Subtotal
	3.02
	<i>Previous Balance</i>
	18.7
	Total
	21.72

Canary

Move shallow line for trawl to 75 fms north of 40°10' in Period 4	2.85
Move shallow line for trawl to 60 fms south of 40°10' in Period 4	0.05
Move shallow line for recreational to 30 fms south of 34°27' (Sep-Dec)	0.07
Move shallow line for commercial FG & OA to 30 fms south of 34°27' (Sep-Dec)	0.16
	Subtotal
	3.13
	<i>Previous Balance</i>
	40.8
	Total
	43.93

* NOTE: The GMT reviewed the methodology for the analysis that produced these results and believes these results to be reasonable. CDFG staff expressed that these should be considered maximum values as there have been many regulatory changes to the CA recreational and commercial fixed gear and open access fisheries since the base periods that were used (1993-99 for recreational and 1995-99 for commercial). These changes include additional closed areas to protect rockfish (e.g., Cowcod Conservation Area); reduction in rockfish bag limit from 15 to 10; number of hooks allowed reduced from 5 (or higher) to 2; and significantly reduced commercial fishing opportunity for shelf rockfish species.

TABLE 14. Number of vessels by vessel primary port and species group for the base period (November 2000 through October 2001). (Table 3.3-40 in the 2003 Specs EIS)

	Vessels with Limited Entry Trawl Permits					Vessels with Fixed Gear Limited Entry Permits (No Trawl Permit)					Open Access Vessels with More than 5% Revenue from Groundfish					Open Access Vessels with Less than 5% Revenue from Groundfish					Vessels Participating in Other Fisheries									
	Whiting	Sabelfish	Nearshore Spc	Slope Spc	Tota	Sabelfish	Nearshore Spc	Slope Spc	Tota	Sabelfish	Nearshore Spc	Slope Spc	Tota	Sabelfish	Nearshore Spc	Slope Spc	Tota	Halibut (Pac & CA)	Shrimp/Prawns	Crabs	Salmon	HMS	CPS	Other	Total					
Blaine	2	4	4	4	4	-	-	-	-	-	-	-	-	1	-	-	-	5	-	-	11	-	-	117	119					
Bellingham	1	5	5	5	5	19	2	14	17	19	-	-	-	1	-	-	-	25	13	-	14	-	5	2	203	210				
Point Roberts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	6	6				
Friday Harbor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3					
Anacortes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	74	74				
LaConner	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	1	1	2	2	-	3	-	-	25	25					
Everett	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	51					
Seattle	-	-	-	-	-	2	-	-	2	2	-	-	-	-	-	-	1	3	3	-	12	1	7	1	75	93				
Tacoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	2	-	26	27				
Shelton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4					
Centralia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	14					
Puget Sound Total	3	9	9	9	9	9	21	2	14	19	21	1	0	1	0	2	3	1	3	2	4	36	19	1	42	3	14	3	598	626
Port Townsend	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	23	23			
Quilcene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2					
Sequim	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10					
Port Angeles	-	3	3	3	3	3	14	1	13	14	15	12	6	17	8	20	-	4	1	4	42	19	-	1	11	2	-	25	58	
Neah Bay	-	3	3	3	3	3	-	-	-	-	-	-	2	-	2	-	-	5	2	-	-	-	-	-	3	5				
La Push	-	-	-	-	-	2	1	2	2	2	3	1	2	2	3	-	-	5	1	-	6	-	2	-	4	10				
NW Olympic Peninsula Total	0	6	6	6	6	6	16	2	15	16	17	15	7	21	10	25	0	0	4	1	4	52	22	0	7	11	5	0	67	108
Copalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10				
Aberdeen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2		
Westport (WA)	5	11	5	12	11	12	11	-	9	11	11	6	-	4	4	6	7	1	21	3	22	51	16	13	100	40	58	9	44	178
Central WA Coast	5	11	5	12	11	12	11	0	9	11	11	6	0	4	4	6	7	1	21	3	22	51	16	13	101	41	58	9	54	190

TABLE 14. Number of vessels by vessel primary port and species group for the base period (November 2000 through October 2001). (Table 3.3-40 in the 2003 Specs EIS)

	Vessels with Limited Entry Trawl Permits				Vessels with Fixed Gear Limited Entry Permits (No Trawl Permit)				Open Access Vessels with More than 5% Revenue from Groundfish				Open Access Vessels with Less than 5% Revenue from Groundfish				Vessels Participating in Other Fisheries													
	Whiting	Sabelfish	Nearshore SPF	Slope Spp	Sabelfish	Nearshore Spp	Slope Spp	Tota	Sabelfish	Nearshore Spp	Slope Spp	Tota	Sabelfish	Nearshore Spp	Slope Spp	Tota	Halibut (Pac & CA)	Shrimp/Prawns	Crabs	Salmon	HMS	CPS	Other	Total						
Total																														
Tokeland	-	-	-	-	-	-	-	-	-	-	-	-	3	-	4	2	4	-	4	20	-	2	-	35	57					
Ilwaco	1	4	2	4	4	4	4	4	3	3	4	3	4	5	-	2	2	5	15	2	22	8	29	42	25	7	61	163		
Pacific County	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	46	47				
Columbia River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	173	173				
South WA Coast Total	1	4	2	4	4	4	3	3	4	3	4	5	0	2	2	5	18	2	26	10	33	46	25	11	72	36	98	8	315	440
Total																														
Astoria	4	31	18	31	30	31	11	-	9	7	11	11	3	9	7	12	17	4	16	9	19	73	21	23	66	27	68	19	43	164
Gearhart-Seaside	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2		
Cannon Beach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2		
Nehalem Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2		
Garibaldi (Tillamook)	-	3	3	3	3	3	-	-	-	-	-	-	7	5	-	7	2	12	21	2	27	37	18	-	18	47	26	1	14	71
Pacific City	-	-	-	-	-	-	-	-	-	-	-	-	17	13	-	17	-	-	-	-	17	-	-	2	8	5	-	2	21	
Astoria-Tillamook Total	4	34	21	34	33	34	11	0	9	7	11	11	27	27	7	36	19	16	37	11	46	127	39	23	88	86	99	20	59	262
Total																														
Depoe Bay	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	3	1	1	1	1	2	-	5	4	3	-	8	12		
Newport	15	26	12	25	25	26	13	3	11	10	14	7	5	8	2	9	24	10	87	24	90	139	94	21	89	157	157	13	50	267
Waldport	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	6		
Newport Total	15	26	12	25	25	26	13	3	11	10	14	7	8	11	2	12	25	11	88	25	92	144	96	21	100	161	160	13	58	285
Florence	-	-	-	-	-	-	3	-	1	1	3	-	1	1	1	1	1	1	8	-	8	12	7	-	10	27	15	1	3	30
Winchester	-	-	-	-	-	-	3	-	3	-	3	1	-	-	-	1	-	3	9	-	10	14	6	1	12	25	14	-	4	35
Charleston (Coos Bay)	4	26	17	29	27	29	8	-	7	3	9	12	15	16	7	21	5	14	30	3	34	93	18	25	59	84	77	3	47	146
Bandon	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	2	-	1	2	-	2	4	-	-	2	4	2	-	8	
Coos Bay Total	4	26	17	29	27	29	14	0	11	4	15	13	18	18	8	25	6	19	49	3	54	123	31	26	83	140	108	4	54	219

TABLE 14. Number of vessels by vessel primary port and species group for the base period (November 2000 through October 2001). (Table 3.3-40 in the 2003 Specs EIS)

	Vessels with Limited Entry Trawl Permits					Vessels with Fixed Gear Limited Entry Permits (No Trawl Permit)					Open Access Vessels with More than 5% Revenue from Groundfish					Open Access Vessels with Less than 5% Revenue from Groundfish					Vessels Participating in Other Fisheries									
	Whiting	Sabelfish	Nearshore Spp	Slope Spp	Total	Sabelfish	Nearshore Spp	Slope Spp	Total	Sabelfish	Nearshore Spp	Slope Spp	Total	Sabelfish	Nearshore Spp	Slope Spp	Total	Halibut (Pac & CA)	Shrimp/Prawns	Crabs	Salmon	HMS	CPS	Other	Total					
Port Orford	-	-	-	-	-	11	14	14	14	8	35	36	33	37	-	7	5	2	7	58	12	-	30	27	11	-	53	67		
Gold Beach	-	-	-	-	-	-	-	-	-	-	20	19	17	20	-	2	2	2	2	22	-	-	1	3	1	-	23	23		
Brookings	-	4	3	4	4	4	3	1	2	1	25	25	9	28	1	9	9	-	12	47	3	3	33	28	20	-	34	71		
Brookings Total	0	4	3	4	4	14	15	16	15	9	9	80	80	59	85	1	18	16	4	21	127	15	3	64	58	32	0	110	161	
Crescent City	2	20	14	20	20	20	8	4	5	2	9	7	35	35	7	37	4	8	15	3	19	85	11	21	118	31	45	4	44	141
Orick	-	-	-	-	-	-	-	-	-	-	1	8	8	1	8	-	-	1	-	1	9	1	-	4	7	2	-	-	12	
Trinidad	-	-	-	-	-	-	-	-	-	-	5	6	-	6	-	1	1	-	1	7	-	-	23	2	1	-	3	27		
Eureka Area	1	16	15	16	16	16	4	2	4	4	13	13	12	8	17	2	1	1	-	2	39	7	5	51	33	17	1	36	78	
Fields Landing	3	10	7	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	10	2	1	7	2	-	1	8	14		
Eureka Total	4	26	22	26	26	26	4	2	4	4	4	14	26	26	9	31	2	2	3	0	4	65	10	6	85	44	20	2	47	131
Fort Bragg	-	12	5	12	12	12	3	1	3	3	4	27	36	34	6	57	4	5	3	1	8	81	3	3	26	49	19	1	56	130
Albion	-	-	-	-	-	-	-	-	-	-	2	6	5	-	7	-	1	1	-	2	9	-	-	2	2	1	-	12	17	
Point Arena	-	-	-	-	-	-	-	-	-	-	4	3	1	4	-	3	2	1	4	8	-	-	5	3	1	-	11	19		
Fort Bragg Total	0	12	5	12	12	12	3	1	3	3	4	29	46	42	7	68	4	9	6	2	14	98	3	3	33	54	21	1	79	166
Bodega Bay	-	-	-	-	-	2	2	2	1	2	1	21	23	7	26	1	1	11	1	11	39	14	-	44	125	28	1	24	171	
Cloverdale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	3	3	4	-	6	4	1	-	17	24		
Yountville	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	1	2	1	-	10	2	-	-	9	15		
Tomales Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1		
Point Reyes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	6	8	1	-	-	10		
Sausalito	-	-	-	-	-	-	-	-	-	-	1	-	1	1	1	-	4	5	-	5	6	7	-	4	21	6	1	39	53	
Oakland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1			
Alameda	-	-	-	-	-	-	-	-	-	-	2	1	1	2	-	-	-	-	-	2	-	-	-	1	-	-	2	3		
Berkeley	-	-	-	-	-	-	-	-	-	-	1	8	9	3	10	-	-	-	-	10	5	-	-	4	2	-	8	15		
Richmond	-	-	-	-	-	-	-	-	-	-	-	1	1	2	-	-	1	-	1	3	3	1	-	5	-	-	1	10		

TABLE 14. Number of vessels by vessel primary port and species group for the base period (November 2000 through October 2001). (Table 3.3-40 in the 2003 Specs EIS)

	Vessels with Limited Entry Trawl Permits					Vessels with Fixed Gear Limited Entry Permits (No Trawl Permit)					Open Access Vessels with More than 5% Revenue from Groundfish			Open Access Vessels with Less than 5% Revenue from Groundfish			Vessels Participating in Other Fisheries													
	Whiting	Sabefish	Nearshore Spp	Slope Spp	Total	Sabefish	Nearshore Spp	Slope Spp	Total	Sabefish	Nearshore Spp	Slope Spp	Total	Sabefish	Nearshore Spp	Slope Spp	Total	Halibut (Pac & CA)	Shrimp/Prawns	Crabs	Salmon	HMS	CPS	Other	Total					
San Francisco	-	6	6	6	6	6	6	8	7	9	9	22	21	12	27	1	5	7	1	9	51	33	3	29	59	17	2	86	155	
Princeton	1	6	8	8	7	8	3	2	2	3	8	39	36	8	44	1	6	6	3	11	66	34	2	56	74	30	10	43	135	
SanFrancisco Total	1	12	14	14	13	14	11	10	12	11	20	93	93	33	113	4	19	32	5	41	182	108	6	155	304	85	14	230	593	
Gilroy	-	-	-	-	-	-	-	-	-	-	-	10	8	2	10	-	-	-	-	-	10	-	-	1	-	1	-	8	10	
Santa Cruz	-	2	2	2	2	2	-	-	-	-	9	11	11	10	18	1	5	4	1	6	26	18	-	7	31	19	3	19	46	
Moss Landing	-	8	6	8	8	8	11	2	6	11	11	19	24	23	13	38	1	2	2	1	6	63	27	2	6	71	42	7	38	132
Monterey	-	2	2	2	2	2	-	1	-	1	1	1	25	23	6	26	2	3	1	3	6	35	23	5	1	50	10	5	42	81
Monterey Total	0	12	10	12	12	12	11	3	6	12	12	29	70	65	31	92	4	10	7	5	18	134	68	7	15	152	72	15	107	269
San Simeon	-	-	-	-	-	-	-	-	-	-	-	6	6	-	6	-	-	-	-	-	6	-	-	-	-	-	-	3	6	
Morro Bay	-	2	2	2	2	2	-	1	2	-	2	2	56	49	10	57	2	16	13	7	20	81	26	9	19	36	68	6	55	122
Avila	1	5	2	5	5	5	-	-	1	1	1	-	50	47	2	50	-	10	8	1	10	66	32	5	17	9	31	3	46	78
San Luis Obispo Total	1	7	4	7	7	7	0	1	3	1	3	2	112	102	12	113	2	26	21	8	30	153	58	14	36	45	99	9	104	206
Santa Barbara	-	-	-	-	-	-	-	-	-	-	-	31	16	11	31	-	25	13	10	29	60	32	15	46	4	20	10	111	136	
Santa Cruz Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	-	
Ventura	-	-	-	-	-	-	1	-	1	1	1	2	9	8	9	12	1	9	8	7	10	23	15	8	17	1	16	8	29	43
Oxnard	-	-	-	-	-	-	6	4	6	6	6	2	14	8	9	14	-	14	5	10	17	37	13	8	19	-	14	3	58	64
Port Hueneme	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	2	3	31	9	31	
Santa Barbara Total	0	0	0	0	0	0	7	4	8	7	8	4	54	32	29	57	1	48	26	27	56	121	61	31	82	7	54	52	207	275
Terminal Island	-	-	-	-	-	-	1	1	1	1	1	2	19	9	10	19	1	9	6	2	12	32	35	7	28	2	47	26	100	126
San Pedro	-	-	-	-	-	-	-	-	-	-	-	7	8	3	10	-	17	12	5	18	28	16	2	18	1	51	53	59	112	
Willmington	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-	-	-	1	1	-	1	-	1	1	1	2		
Catalina Island	-	-	-	-	-	-	-	-	-	-	-	2	6	2	4	8	-	3	2	1	4	12	10	3	15	-	12	9	26	41
Long Beach	-	-	-	-	-	-	-	-	-	-	-	2	3	1	3	-	-	-	-	-	3	4	-	1	-	4	1	4	6	

TABLE 14. Number of vessels by vessel primary port and species group for the base period (November 2000 through October 2001). (Table 3.3-40 in the 2003 Specs EIS)

	Vessels with Limited Entry Trawl Permits			Vessels with Fixed Gear Limited Entry Permits (No Trawl Permit)			Open Access Vessels with More than 5% Revenue from Groundfish			Open Access Vessels with Less than 5% Revenue from Groundfish			Vessels Participating in Other Fisheries																	
	Whiting	Sabelfish	Nearshore Spp	Slope Spp	Tota	Sabelfish	Nearshore Spp	Slope Spp	Tota	Sabelfish	Nearshore Spp	Slope Spp	Tota	Halibut (Pac & CA)	Shrimp/Prawns	Crabs	Salmon	HMS	CPS	Other	Total									
Newport Beach	-	-	-	-	-	4	2	3	4	5	1	1	2	2	2	1	1	-	-	2	9	3	3	8	-	4	5	11	18	
Dana Point	-	-	-	-	-	-	1	-	-	1	-	1	1	-	1	-	2	-	-	2	4	-	3	26	-	4	-	18	33	
Los Angeles Total	0	0	0	0	0	0	6	5	5	6	8	5	36	25	20	43	2	32	20	8	38	89	69	18	97	3	123	95	219	338
North Shore	-	-	-	-	-	-	-	-	-	-	1	3	8	5	8	1	6	9	6	10	18	5	5	26	-	18	7	30	49	
San Diego	-	-	-	-	-	-	1	1	-	1	1	7	6	5	10	1	5	4	1	7	18	6	2	30	-	37	11	41	65	
Oceanside	-	-	-	-	-	5	1	2	5	5	-	1	3	2	3	-	4	2	2	4	12	2	3	9	-	15	2	14	26	
San Diego Total	0	0	0	0	0	0	5	2	3	5	6	2	11	17	12	21	2	15	15	9	21	48	13	10	65	0	70	20	85	140
Other California	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	10	
At-Sea Only	28	20	2	28	23	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	11	-	2	26	9	28	25	28	
Grand Total	68	229	146	242	232	243	158	57	138	136	178	179	623	601	252	771	104	237	389	126	517	1,709	675	214	1,247	1,202	1,172	297	2,470	4,588

NOTE: The Primary port is the port at which the vessel made more landings than any other port, as measured in terms of exvessel value. Vessels in the "at-sea only" row are those that made no shoreside landings. Vessels delivering at-sea that had some shoreside landings were assigned to a primary port based on their shoreside landings. Source: Derived from PacFIN monthly vessel summary files.

TABLE 17. Estimated take of Canary rockfish and Bocaccio by Commercial Non-trawl and Recreational Fisheries in Southern California, as presented at the June 16-20, 2003 Pacific Council meeting.

Estimated take (MT) of Canary and Bocaccio by commercial fixed gear and recreational fisheries From the Morro Bay area between 21-30 fms, July thru December 2003.					
Canary Rockfish					
Recreational			Commercial		
Average annual estimated take from San Luis Obispo County during 1993-99	3.8		Average annual estimated landings from 1995-1999	2.52	
Percentage taken from 21-30 fm (based on J. Curtis)	19.9%		Percentage taken from 21-30 fm based on recreational data	19.9%	
July thru Dec Sep thru Dec	52% (32% Sep-Dec)		July thru Dec Sep thru Dec	50% (33% Sep-Dec)	
Total Jul-Dec MT =	0.4		0.25		Combined Recreational and Commercial
Total Sep-Dec MT=	0.24		0.17		0.65 0.41
Bocaccio					
Recreational			Commercial		
Average annual estimated take from San Luis Obispo County during 1993-99	3.3		Average annual landings estimated from 1995-1999	8.52	
Percentage taken from 21-30 fm (based on J. Curtis)	4.3%		Percentage taken from 21-30 fm based on recreational data	4.3%	
July thru Dec Sep thru Dec	31.0% 25%		July thru Dec Sep thru Dec	50% 33%	
Total Jul-Dec MT =	0.09		0.37		Combined Recreational and Commercial
Total Sep-Dec MT=	0.07		0.24		0.46 0.31
Estimated take (MT) of Canary and Bocaccio by commercial fixed gear and recreational fisheries From the Southern California Bight between 21-30 fms, July thru December 2003.					
Canary Rockfish					
Recreational			Commercial		
Average annual estimated take from southern California during 1993-99	1.4		Average annual estimated landings from 1995-1999	3.14	
Percentage taken from 21-30 fm (based on J. Curtis)	15.6%		Percentage taken from 21-30 fm based on recreational data	15.6%	
July thru Dec Sep thru Dec	50.0% 32%		July thru Dec Sep thru Dec	50% 32%	
Total Jul-Dec MT =	0.11		0.24		Combined Recreational and Commercial
Total Sep-Dec MT=	0.07		0.16		0.35 0.23
Bocaccio					
Recreational			Commercial		
Average annual estimated take from southern California during 1993-99	79.5		Average annual landings estimated from 1995-1999	22.6	
Percentage taken from 21-30 fm (based on J. Curtis)	6.4%		Percentage taken from 21-30 fm based on recreational data	6.4%	
July thru Dec Sep thru Dec	31.1% 25%		July thru Dec Sep thru Dec	50% 33%	
Total Jul-Dec MT =	3.16		1.45		Combined Recreational and Commercial
Total Sep-Dec MT=	1.27		0.95		4.61 2.22

(Bocaccio includes 99 yc effect)

TABLE 18. Estimated Take (MT) of Overfished Groundfish Species by Commercial Non-trawl and Recreational Fisheries between 21-30 fms, September thru December 2003.

**Estimated Take (MT) of Overfished Groundfish Species by
Commercial Non-trawl and Recreational Fisheries between 21-30 fms,
September thru December 2003.**

Species	Region		
	"36° to Mexico" Alternative	"36° to 34°27'" Alternative	"34°27' to Mexico" Alternative
Bocaccio	commercial	1.19	0.24
	recreational	1.34	0.07
	total	2.53	0.31
Canary Rockfish	commercial	0.33	0.17
	recreational	0.31	0.24
	total	0.64	0.41
Lingcod *	commercial	1.2	1.1
	recreational	8.9	5.6
	total	10.1	6.7
Cowcod *	commercial	0.2	0.1
	recreational	0.1	0.1
	total	0.3	0.2
Widow Rockfish *	commercial	1.6	1.6
	recreational	3.2	3.2
	total	4.8	4.8
Yelloweye Rockfish *	commercial	0.1	0.1
	recreational	1	1
	total	1.1	0

note: trace = < 0.1 mt.

* Recreational catch by depth data not available for these species between 36° N. lat. and 34°27' N. lat.. Recreational estimates for these species are estimated total catch during September through December for all depths. Therefore, the estimated mortality for these species for the "36° to Mexico" and "36° to 34°27'" Alternatives is high.